

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M115463
Date Received: 12/14/06
Date Extracted: 12/19/06
Date Analyzed: 12/20/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M115463, F&BI 612164
Lab ID: 612164-01 10x
Data File: 612164-01 10x.042
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	83	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	403
Nickel	285
Copper	357
Zinc	<50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M115463, F&BI 612164
Date Extracted:	12/19/06	Lab ID:	I6-452 mb
Date Analyzed:	12/20/06	Data File:	I6-452 mb.030
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	88	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5

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ENVIRONMENTAL CHEMISTS

Date of Report: 12/27/06

Date Received: 12/14/06

Project: Metro Self Monitor, PO# M115463, F&BI 612164

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 612165-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	7.36	7.63	4	0-20
Nickel	ug/L (ppb)	1.76	1.45	19	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	7.85	<5	nm	0-20

Laboratory Code: 612165-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	7.36	93 b	50-150
Nickel	ug/L (ppb)	20	1.76	89	50-150
Copper	ug/L (ppb)	20	<1	92	50-150
Zinc	ug/L (ppb)	50	7.85	86	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	100	70-130
Nickel	ug/L (ppb)	20	103	70-130
Copper	ug/L (ppb)	20	104	70-130
Zinc	ug/L (ppb)	50	99	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
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December 27, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 14, 2006 from the Metro Self Monitor, PO# M115463, F&BI 612164 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
ACU1227R.DOC

AI4

Samples received at 20 °C

FRIEDMAN & BRUYA, INC.

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Duplicate Copy

December 27, 2006

INVOICE # 06ACU1227-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M115463, F&BI 612164 - Results of testing
requested by Gerry Thompson for material submitted on December 14, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges (1 week) 50% of \$80.00	<u>40.00</u>
Amount Due	\$ 120.00

FEDERAL TAX ID # (b) (6)